

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	30599	(neuron and NUrr1 and differentiat\$3) and ((fibroblast adj growth adj factor adj "8") or FGF8) or (basic adj fibroblast adj growth adj factor) or (bFGF) or ((epidermal adj growth adj factor) or Egf) or (((activat\$3 adj (retinoid adj x adj receptor)) or RxR) or (9-cis adj retinol))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 08:17
L2	30602	(neuron and NUrr1 and differentiat\$3) and ((fibroblast adj growth adj factor adj "8") or FGF8) or (basic adj fibroblast adj growth adj factor) or (bFGF) or ((epidermal adj growth adj factor) or Egf) or (((activat\$3 near (retinoid adj x adj receptor)) or RxR) or (9-cis adj retinol))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 08:18
L3	30602	(neuron and NUrr1 and differentiat\$3) and ((fibroblast adj growth adj factor adj "8!") or FGF8) or (basic adj fibroblast adj growth adj factor) or (bFGF) or ((epidermal adj growth adj factor) or Egf) or (((activat\$3 near (retinoid adj x! adj receptor)) or RxR) or (9-cis adj retinol))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 08:19
L4	69	(neuron and NUrr1 and differentiat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 08:40
L5	5	L4 and (astrocyte and (coculture or co-culture))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:48
L6	85	((neural adj stem adj cell) or (neural adj prognitor)) and astrocyte and (co-culture or coculture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:39
L7	4	L6 and NUrr1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 08:45

L8	62	type adj (I) adj astrocyte	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:43
L9	8	L8 and (coculture or co-culture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:43
L10	0	L9 and Nurr1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:43
L11	3	L9 and ((neural adj stem) or (neural adj progenitor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:44
L12	5	"6833269"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:45
L13	361	differentiat\$3 and (astrocyte and (coculture or co-culture))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:55
L14	113	L13 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:50
L15	14	L14 and neural adj (stem or progenitor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:50
L16	625	differentiat\$3 and (neurons and (coculture or co-culture))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:56
L17	187	differentiat\$3 and (neurons and (coculture or co-culture)) and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:56

L18	87	L17 and astrocytes	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 11:45
L19	1	L17 and astrocytes and NUrr1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 09:57
L20	1	((mesencephalon or midbrain) near astrocyte) and differentiation and (neural adj (stem or progenitor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/14 11:47

Dialog 09/980,913  
LLM 7/17/05

/H = Help

/L = Logoff

/NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

?

Terminal set to DLINK

\*\*\* DIALOG HOMEBASE(SM) Main Menu \*\*\*

Information:

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2. Database, Rates, & Command Descriptions
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5. Product Descriptions

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/H = Help

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Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

? b biosci

14jul05 10:56:27 User276741 Session D15.1  
\$0.00 0.206 DialUnits FileHomeBase  
\$0.00 Estimated cost FileHomeBase  
\$0.06 TELNET  
\$0.06 Estimated cost this search  
\$0.06 Estimated total session cost 0.206 DialUnits

SYSTEM:OS - DIALOG OneSearch

- File 5:Biosis Previews(R) 1969-2005/Jul W1  
(c) 2005 BIOSIS
- File 24:CSA Life Sciences Abstracts 1966-2005/Jun  
(c) 2005 CSA.
- File 34:SciSearch(R) Cited Ref Sci 1990-2005/Jul W2  
(c) 2005 Inst for Sci Info
- File 35:Dissertation Abs Online 1861-2005/Jun  
(c) 2005 ProQuest Info&Learning
- File 40:Enviroline(R) 1975-2005/Jun
- File 50:CAB Abstracts 1972-2005/Jun  
(c) 2005 CAB International
- File 65:Inside Conferences 1993-2005/Jul W2  
(c) 2005 BLDSC all rts. reserv.
- File 71:ELSEVIER BIOBASE 1994-2005/Jul W1  
(c) 2005 Elsevier Science B.V.
- File 73:EMBASE 1974-2005/Jul 13  
(c) 2005 Elsevier Science B.V.
- File 91:MANTIS(TM) 1880-2005/Jun  
2001 (c) Action Potential
- File 94:JICST-EPlus 1985-2005/May W4  
(c)2005 Japan Science and Tech Corp(JST)

File 98:General Sci Abs/Full-Text 1984-2004/Dec  
(c) 2005 The HW Wilson Co.  
File 110:WasteInfo 1974-2002/Jul  
(c) 2002 AEA Techn Env.  
**\*File 110: This file is closed (no updates)**  
File 135:NewsRx Weekly Reports 1995-2005/Jul W2  
(c) 2005 NewsRx  
**\*File 135: New newsletters are now added. See Help News135 for the complete list of newsletters.**  
File 143:Biol. & Agric. Index 1983-2005/Jun  
(c) 2005 The HW Wilson Co  
File 144:Pascal 1973-2005/Jul W1  
(c) 2005 INIST/CNRS  
File 155:MEDLINE(R) 1951-2005/Jul W2  
(c) format only 2005 The Dialog Corp.  
File 164:Allied & Complementary Medicine 1984-2005/Jul  
(c) 2005 BLHCIS  
File 172:EMBASE Alert 2005/Jul 13  
(c) 2005 Elsevier Science B.V.  
File 185:Zoological Record Online(R) 1978-2005/Jul  
(c) 2005 BIOSIS  
File 357:Derwent Biotech Res. 1982-2005/Jul W3  
(c) 2005 Thomson Derwent & ISI  
File 369:New Scientist 1994-2005/May W2  
(c) 2005 Reed Business Information Ltd.  
File 370:Science 1996-1999/Jul W3  
(c) 1999 AAAS  
**\*File 370: This file is closed (no updates). Use File 47 for more current information.**  
File 391:Beilstein Reactions 2005/Q2  
(c) 2005 Beilstein GmbH  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 467:ExtraMED(tm) 2000/Dec  
(c) 2001 Informania Ltd.  
**\*File 467: F467 no longer updates; see Help News467.**

7.

Set	Items	Description
?	s	((neural (w) stem) or (neural (w) prognitor) and differentiat?3) and (astrocyte and (co-culture or coculture))
	2430772	NEURAL
	833112	STEM
	10078	NEURAL(W)STEM
	2430772	NEURAL
	18	PROGNITOR
	1	NEURAL(W)PROGNITOR
	0	DIFFERENTIAT?3
	61929	ASTROCYTE
	1671	CO-CULTURE
	34642	COCULTURE
S1	14	((NEURAL (W) STEM) OR (NEURAL (W) PROGNITOR) AND DIFFERENTIAT?3) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE))

? s s1 not py>1999  
Processing  
Processed 10 of 26 files ...  
>>>One or more prefixes are unsupported  
>>> or undefined in one or more files.  
Completed processing all files  
14 S1

24557655 PY>1999  
S2 0 S1 NOT PY>1999  
? s s1 and not py>1999  
>>>Operator "NOT" in invalid position  
? s s1 not py>2000  
Sending Break...  
?s s1 not py>2000  
>>>One or more prefixes are unsupported  
>>> or undefined in one or more files.

14 S1  
20088570 PY>2000  
S3 0 S1 NOT PY>2000  
? s s1 and nurrl  
14 S1  
1467 NURR1  
S4 0 S1 AND NURR1  
? type s1/free/all

1/8/1 (Item 1 from file: 5)  
0014288751 BIOSIS NO.: 200300247470  
**Olfactory bulb core is a rich source of neural progenitor and stem cells in adult rodent and human.**  
2003

1/8/2 (Item 1 from file: 34)  
DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.  
13300593 Genuine Article#: 866YA Number of References: 24  
**Title: Neurite outgrowth from hippocampal neurons is promoted by choroid plexus ependymal cells in vitro (ABSTRACT AVAILABLE)**  
Publication date: 20040700  
Journal Subject Category: CELL BIOLOGY; NEUROSCIENCES  
Identifiers--Keyword Plus(R): ADULT MAMMALIAN FOREBRAIN;  
CENTRAL-NERVOUS-SYSTEM; **NEURAL STEM** -CELL; GROWTH-FACTOR;  
SCHWANN-CELLS; SPINAL-CORD; SUBEPENDYMAL CELLS; LOCALIZATION;  
EXPRESSION; ASTROCYTES

1/8/3 (Item 2 from file: 34)  
DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.  
11466999 Genuine Article#: 655XF Number of References: 57  
**Title: Transgenic overexpression of BMP4 increases astroglial and decreases oligodendroglial lineage commitment (ABSTRACT AVAILABLE)**  
Publication date: 20030301  
Journal Subject Category: DEVELOPMENTAL BIOLOGY  
Descriptors--Author Keywords: BMP4 ; **astrocyte** ; oligodendrocyte ; radial glia ; stem cell ; gliogenesis ; brain development  
Identifiers--Keyword Plus(R): RADIAL GLIAL-CELLS; CILIARY NEUROTROPHIC FACTOR; CENTRAL-NERVOUS-SYSTEM; BONE MORPHOGENETIC PROTEINS;  
SERINE/THREONINE KINASE RECEPTORS; GLUTATHIONE-S-TRANSFERASE;  
FIBRILLARY ACIDIC PROTEIN; **NEURAL STEM** -CELLS; ADULT-RAT-BRAIN;  
PROGENITOR CELLS

1/8/4 (Item 1 from file: 73)  
13016012 EMBASE No: 2005075886  
**Humoral and contact interactions in astroglia/stem cell co-cultures in the course of glia-induced neurogenesis**

2005

1/8/5 (Item 2 from file: 73)  
12387602 EMBASE No: 2003490423  
Enhanced Induction of RPE Lineage Markers in Pluripotent Neural Stem  
Cells Engrafted into the Adult Rat Subretinal Space  
2003

1/8/6 (Item 3 from file: 73)  
12047872 EMBASE No: 2003159732  
Olfactory bulb core is a rich source of neural progenitor and stem cells  
in adult rodent and human  
12 MAY 2003

1/8/7 (Item 4 from file: 73)  
12003234 EMBASE No: 2003114701  
The effect of bone marrow stromal cells on neuronal differentiation of  
mesencephalic neural stem cells in Sprague-Dawley rats  
04 APR 2003

1/8/8 (Item 5 from file: 73)  
11585973 EMBASE No: 2002157604  
Neural stem cells from adult hippocampus develop essential properties  
of functional CNS neurons  
2002

1/8/9 (Item 1 from file: 135)  
DIALOG(R)File 135:(c) 2005 NewsRx. All rts. reserv.

0000087408 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
BMP4 mediates astrocyte differentiation  
WORD COUNT: 368  
May 8, 2003 (20030508)

DESCRIPTORS: Northwestern University; Stem Cell Research; Cell  
Biology; Neuroscience; All News; Professional News;  
Hematology  
SUBJECT HEADING: Stem Cell Research

1/8/10 (Item 1 from file: 155)  
DIALOG(R)File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14995420 PMID: 12925733  
Neuroectodermal differentiation from mouse multipotent adult progenitor  
cells.  
Sep 30 2003  
Tags: Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't,  
P.H.S.

Descriptors: \*Hematopoietic Stem Cells--cytology--CY; \*Pluripotent Stem  
Cells--cytology--CY; Animals; Astrocytes--cytology--CY; Astrocytes  
--metabolism--ME; Base Sequence; Cell Differentiation; Cells, Cultured;  
Coculture Techniques; Culture Media, Conditioned; DNA, Complementary  
--genetics--GE; Dopamine--metabolism--ME; Ectoderm--cytology--CY; Ectoderm  
--metabolism--ME; Hematopoietic Stem Cells--metabolism--ME; Mice; Neurons

--cytology--CY; Neurons--metabolism--ME; Phenotype; Pluripotent Stem Cells  
--metabolism--ME; RNA, Messenger--genetics--GE; RNA, Messenger--metabolism  
--ME; Reverse Transcriptase Polymerase Chain Reaction; Serotonin  
--metabolism--ME; Sodium Channels--metabolism--ME; gamma-Aminobutyric Acid  
--metabolism--ME

CAS Registry No.: 0 (Culture Media, Conditioned); 0 (DNA,  
Complementary); 0 (RNA, Messenger); 0 (Sodium Channels); 50-67-9  
(Serotonin); 51-61-6 (Dopamine); 56-12-2 (gamma-Aminobutyric Acid)

**1/8/11 (Item 2 from file: 155)**

DIALOG(R)File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14878993 PMID: 12859339

**The ablation of glial fibrillary acidic protein-positive cells from the adult central nervous system results in the loss of forebrain neural stem cells but not retinal stem cells.**

Jul 2003

Tags: Research Support, Non-U.S. Gov't

Descriptors: \*Central Nervous System--physiology--PH; \*Glial Fibrillary Acidic Protein--physiology--PH; \*Neurons--physiology--PH; \*Prosencephalon--physiology--PH; \*Retina--physiology--PH; \*Stem Cells--physiology--PH; Animals; Antiviral Agents--pharmacology--PD; Cell Separation; Cells, Cultured; Central Nervous System--cytology--CY; Cerebral Ventricles--cytology--CY; **Coculture** Techniques; Dose-Response Relationship, Drug; Ganciclovir--pharmacology--PD; Glial Fibrillary Acidic Protein--genetics--GE; Immunohistochemistry; Mice; Mice, Transgenic; Prosencephalon--cytology--CY; Retina--cytology--CY; Reverse Transcriptase Polymerase Chain Reaction; Simplexvirus--enzymology--EN; Simplexvirus--genetics--GE

CAS Registry No.: 0 (Antiviral Agents); 0 (Glial Fibrillary Acidic Protein); 82410-32-0 (Ganciclovir)

**1/8/12 (Item 3 from file: 155)**

DIALOG(R)File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14803067 PMID: 12767487

**Astrocyte -derived factors instruct differentiation of embryonic stem cells into neurons.**

Jun 2003

Tags: Research Support, Non-U.S. Gov't

Descriptors: \*Astrocytes--metabolism--ME; \*Growth Substances--physiology--PH; \*Neurons--cytology--CY; \*Pluripotent Stem Cells--cytology--CY; Animals; Blotting, Western; Cell Differentiation--genetics--GE; Cell Differentiation--physiology--PH; Cells, Cultured; **Coculture** Techniques; Culture Media, Conditioned; Embryo; Fluorescent Antibody Technique; Gene Expression; Mice; Neurons--physiology--PH; Pluripotent Stem Cells--metabolism--ME; Primates; Reverse Transcriptase Polymerase Chain Reaction

CAS Registry No.: 0 (Culture Media, Conditioned); 0 (Growth Substances)

**1/8/13 (Item 4 from file: 155)**

DIALOG(R)File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14717549 PMID: 12662433

**Fetal human hematopoietic stem cells can differentiate sequentially into neural stem cells and then astrocytes in vitro.**

Feb 2003

Tags: Research Support, Non-U.S. Gov't



Descriptors: \*Astrocytes--cytology--CY; \*Hematopoietic Stem Cells  
 --cytology--CY; \*Nerve Tissue Proteins; \*Neurons--cytology--CY; \*Stem Cells  
 --cytology--CY; \*Transforming Growth Factor beta; Antigens, CD3  
 --biosynthesis--BI; Antigens, CD34--biosynthesis--BI; Astrocytes  
 --metabolism--ME; Blotting, Western; Bone Morphogenetic Proteins  
 --metabolism--ME; Cell Differentiation; Cell Division; Cells, Cultured;  
**Coculture** Techniques; Culture Media, Conditioned--pharmacology--PD; Flow  
 Cytometry; Glycoproteins--biosynthesis--BI; Humans; Immunoblotting;  
 Immunohistochemistry; Intermediate Filament Proteins--metabolism--ME;  
 Neurons--metabolism--ME; Peptides; Phenotype; RNA, Messenger--metabolism  
 --ME; Reverse Transcriptase Polymerase Chain Reaction; Time Factors  
 CAS Registry No.: 0 (AC133 antigen); 0 (Antigens, CD3); 0 (Antigens,  
 CD34); 0 (Bone Morphogenetic Proteins); 0 (Culture Media, Conditioned);  
 0 (Glycoproteins); 0 (Intermediate Filament Proteins); 0 (Nerve Tissue  
 Proteins); 0 (Peptides); 0 (RNA, Messenger); 0 (Transforming Growth  
 Factor beta); 0 (bone morphogenetic protein 2); 0 (nestin)

1/8/14 (Item 1 from file: 357)  
 0320860 DBR Accession No.: 2003-22000  
**Making a more developmentally potent cell from a less developmentally  
 potent cell for treating neurological or corporal deficit by contacting  
 a less developmentally potent cell with substituted deoxynucleotide or  
 deoxynucleoside - tissue engineering for neuron and astrocyte  
 production for use in disease therapy and transplantation 2003**  
 ? s (neuron and differentiat?3) and (astrocyte and (co-culture or coculture))  
     386040 NEURON  
        0 DIFFERENTIAT?3  
     61929 ASTROCYTE  
     1671 CO-CULTURE  
     34642 COCULTURE  
 S5       0 (NEURON AND DIFFERENTIAT?3) AND (ASTROCYTE AND  
           (CO-CULTURE OR COCULTURE))  
 ? s (neural (w) stem) or (neural (w) prognitor) and differentiat?) and  
 (astrocyte and (co-culture or coculture))  
 >>>Unmatched parentheses  
 ? s (neuron and differentiat?) and (astrocyte and (co-culture or coculture))  
     386040 NEURON  
     1886991 DIFFERENTIAT?  
     61929 ASTROCYTE  
     1671 CO-CULTURE  
     34642 COCULTURE  
 S6       62 (NEURON AND DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE  
           OR COCULTURE))  
 ? s s6 not py>1999  
 Processed 20 of 26 files ...  
 >>>One or more prefixes are unsupported  
 >>> or undefined in one or more files.  
 Completed processing all files  
     62 S6  
     24557655 PY>1999  
 S7       25 S6 NOT PY>1999  
 ? rd  
 >>>Duplicate detection is not supported for File 391.  
 >>>Records from unsupported files will be retained in the RD set.  
 ...completed examining records  
     S8       16 RD (unique items)  
 ? type s8/ free all  
 >>>'ALL' not allowed as format type  
 ? type s8/free/all

8/8/1 (Item 1 from file: 5)  
0011949192 BIOSIS NO.: 199900208852  
**Functional synapses are formed between human NTera2 (NT2N, hNT) neurons  
grown on astrocytes**  
1999

8/8/2 (Item 2 from file: 5)  
0011123465 BIOSIS NO.: 199799757525  
**Neuronal regulation of glutamate transporter subtype expression in  
astrocytes**  
1997

8/8/3 (Item 3 from file: 5)  
0010616025 BIOSIS NO.: 199699250085  
**The LHRH-astroglial network of signals as a model to study neuroimmune  
interactions: Assessment of messenger systems and transduction mechanisms  
at cellular and molecular levels**  
1996

8/8/4 (Item 4 from file: 5)  
0009289286 BIOSIS NO.: 199497310571  
**Astroglial differentiation is required for support of neurite outgrowth**  
1994

8/8/5 (Item 1 from file: 24)  
DIALOG(R)File 24:(c) 2005 CSA. All rts. reserv.  
  
0001997885 IP ACCESSION NO: 4535777  
**Neurons Induce GFAP Gene Promoter of Cultured Astrocytes From Transgenic  
Mice**  
PUBLICATION DATE: 1999  
  
DESCRIPTORS: Neuronal-glial interactions; Astrocytes; Cerebrum; Glial  
fibrillary acidic protein; Genes; Promoters; Transgenic mice  
SUBJ CATG: 11073, Glial cell biology and metabolism

8/8/6 (Item 1 from file: 34)  
DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.  
  
07175701 Genuine Article#: 132PM Number of References: 27  
**Title: Astrocytes modulate nitric oxide production by microglial cells  
through secretion of serine and glycine (ABSTRACT AVAILABLE)**  
Publication date: 19981009  
Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY; BIOPHYSICS  
Identifiers--Keyword Plus(R): EXTRACELLULAR CONCENTRATIONS; AMINO-ACIDS;  
BRAIN; **DIFFERENTIATION**; RAMIFICATION; MORPHOLOGY; GLUTAMATE;  
ASPARTATE; INDUCTION; ISCHEMIA

8/8/7 (Item 2 from file: 34)  
DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.  
  
05158298 Genuine Article#: VE087 Number of References: 50  
**Title: EPIGENETIC FACTORS CONTROLLING THE DEVELOPMENT OF AVIAN PURKINJE**

**NEURONS** (Abstract Available)  
Journal Subject Category: NEUROSCIENCES  
Descriptors--Author Keywords: AVIAN PURKINJE **NEURON** ; IN VITRO **COCULTURE**  
; GRANULE CELL ; **ASTROCYTE** ; DEVELOPMENT  
Identifiers--KeyWords Plus: CEREBELLAR GRANULE CELLS; CHICK-EMBRYO; RAT  
CEREBELLUM; REGIONAL DIFFERENCES; HIPPOCAMPAL-NEURONS;  
GALLUS-DOMESTICUS; IN-VITRO; **DIFFERENTIATION**; INVITRO; MOUSE  
Research Fronts: 94-0726 001 (RAT CEREBELLAR CORTEX; GRANULE CELLS;  
ACTIVE MEMBRANE MODEL)

**8/8/8** (Item 3 from file: 34)  
DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

04075093 Genuine Article#: RC348 Number of References: 18  
**Title: CULTURED RAT STRIATAL AND CORTICAL ASTROCYTES PROTECT MESENCEPHALIC  
DOPAMINERGIC-NEURONS AGAINST HYDROGEN-PEROXIDE TOXICITY INDEPENDENT OF  
THEIR EFFECT ON NEURONAL DEVELOPMENT** (Abstract Available)  
Journal Subject Category: NEUROSCIENCES  
Descriptors--Author Keywords: DOPAMINERGIC NEURONS ; ASTROCYTES ;  
**COCULTURE** ; DOPAMINE ; OXIDATIVE STRESS ; NEUROTOXICITY ;  
NEUROPROTECTION  
Identifiers--KeyWords Plus: NERVE GROWTH-FACTOR; PARKINSONS-DISEASE;  
GLUTATHIONE; **DIFFERENTIATION**; SURVIVAL; CELLS  
Research Fronts: 93-0303 001 (RECEPTORS FOR NERVE GROWTH-FACTOR;  
NEUROTROPHIN-3 MESSENGER-RNA EXPRESSION; SENSORY NEURONS; NGF SURVIVAL  
RESPONSE; RAT PERIPHERAL TRIGEMINAL SYSTEM)

**8/8/9** (Item 4 from file: 34)  
DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

03518308 Genuine Article#: PJ130 Number of References: 45  
**Title: ASTROCYTIC CONTRIBUTION TO FUNCTIONING SYNAPSE FORMATION ESTIMATED  
BY SPONTANEOUS NEURONAL INTRACELLULAR CA2+ OSCILLATIONS** (Abstract  
Available)  
Journal Subject Category: NEUROSCIENCES  
Descriptors--Author Keywords: SYNAPSE FORMATION ; CA2+-OSCILLATION ;  
**NEURON** ; **ASTROCYTE** ; **COCULTURE**  
Identifiers--KeyWords Plus: GLIA MATURATION FACTOR; PROTEIN-KINASE  
INHIBITOR; FIBROBLAST GROWTH-FACTOR; HIPPOCAMPAL-NEURONS;  
CORTICAL-NEURONS; CHONDROITIN SULFATE; NEUROTROPHIC ACTION; NEURITE  
EXTENSION; ADHESION MOLECULE; FACTOR-BETA  
Research Fronts: 92-0902 001 (BASIC FIBROBLAST GROWTH-FACTOR; SURVIVAL OF  
SENSORY NEURONS INVITRO; CHOLINERGIC **DIFFERENTIATION** IN NEUROGENIC  
BASAL FOREBRAIN CULTURES)  
92-1272 001 (EXPRESSION OF ADHESION MOLECULES; EPITHELIAL CADHERIN IN  
THE RAT EPIDIDYMIS; DEVELOPMENTAL REGULATION; CANCER CELL INVASION;  
HYALURONAN RECEPTOR)  
92-1742 001 (CULTURED HIPPOCAMPAL-NEURONS; NEURITE GROWTH; PAF  
MOBILIZES INTRACELLULAR CA2+)  
92-3553 001 (REGENERATION OF ADULT-RAT CNS AXONS; INJURED SPINAL-CORD;  
GOLDFISH OPTIC-NERVE; FETAL CELL GRAFTS; CULTURED NEURONS; NEURITE  
OUTGROWTH)  
92-4483 001 (NEURAL CELL-ADHESION MOLECULE L1; IMMUNOGLOBULIN  
SUPERFAMILY; TISSUE EXPRESSION OF CHICKEN PECTORALIS M-PROTEIN)

**8/8/10** (Item 5 from file: 34)  
DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

03372695    Genuine Article#: PA953    Number of References: 88  
**Title: REGIONAL DIFFERENCES IN GLIAL-DERIVED FACTORS THAT PROMOTE DENDRITIC OUTGROWTH FROM MOUSE CORTICAL-NEURONS IN-VITRO** (Abstract Available)  
 Journal Subject Category: NEUROSCIENCES  
 Descriptors--Author Keywords: **ASTROCYTE** ; AXON ; CORTEX DENDRITE ; DEVELOPMENT ; GLIA  
 Identifiers--KeyWords Plus: FIBROBLAST GROWTH-FACTOR; RAT SYMPATHETIC NEURONS; CENTRAL NERVOUS-SYSTEM; MICROTUBULE-ASSOCIATED PROTEIN-2; FACTOR RECEPTOR IMMUNOREACTIVITY; HIPPOCAMPAL-NEURONS; NEURITE OUTGROWTH; MESSENGER-RNA; BRAIN ASTROCYTES; CEREBRAL-CORTEX  
 Research Fronts: 92-0089 002 (BASIC FIBROBLAST GROWTH-FACTOR; TRANSMEMBRANE HEPARAN-SULFATE PROTEOGLYCANS; CYSTEINE-RICH RECEPTOR)  
 92-0870 001 (STEM-CELL FACTOR; C-KIT RECEPTOR; LIGAND EXPRESSION)  
 92-0902 001 (BASIC FIBROBLAST GROWTH-FACTOR; SURVIVAL OF SENSORY NEURONS INVITRO; CHOLINERGIC **DIFFERENTIATION** IN NEUROGENIC BASAL FOREBRAIN CULTURES)  
 92-1742 001 (CULTURED HIPPOCAMPAL-NEURONS; NEURITE GROWTH; PAF MOBILIZES INTRACELLULAR CA2+)  
 92-2572 001 (OLIGODENDROCYTE LINEAGE; INVITRO **DIFFERENTIATION** OF GLIAL PROGENITOR CELLS; BASIC FIBROBLAST GROWTH-FACTOR; RAT CNS CULTURES; TYPE-2 **ASTROCYTE** )

8/8/11        (Item 6 from file: 34)  
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02995521    Genuine Article#: MY500    Number of References: 84  
**Title: CELL-CELL INTERACTIONS INFLUENCE SURVIVAL AND DIFFERENTIATION OF PURIFIED PURKINJE-CELLS IN-VITRO** (Abstract Available)  
 Journal Subject Category: NEUROSCIENCES  
 Identifiers--KeyWords Plus: CENTRAL NERVOUS-SYSTEM; CEREBELLAR CORTEX; HIPPOCAMPAL-NEURONS; MOUSE CEREBELLUM; GROWTH-FACTOR; POSTNATAL-DEVELOPMENT; DENDRITIC DEVELOPMENT; NEURITE EXTENSION; RAT MOTONEURONS; MUTANT MOUSE  
 Research Fronts: 92-5099 002 (RAT CEREBELLAR CORTEX; DIFFERENTIAL MODULATION OF PURKINJE-CELL ACTIVITY; STOP SIGNAL FOR AFFERENT NEURITE EXTENSION INVITRO)  
 92-2572 001 (OLIGODENDROCYTE LINEAGE; INVITRO **DIFFERENTIATION** OF GLIAL PROGENITOR CELLS; BASIC FIBROBLAST GROWTH-FACTOR; RAT CNS CULTURES; TYPE-2 **ASTROCYTE** )

8/8/12        (Item 7 from file: 34)  
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02695816    Genuine Article#: LW541    Number of References: 12  
**Title: NEUROTROPHIC ACTION OF GLIOSTATIN ON COCULTURED NEURONS WITH GLIAL-CELLS** (Abstract Available)  
 Journal Subject Category: NEUROSCIENCES  
 Descriptors--Author Keywords: GLIOSTATIN ; NEUROTROPHIC FACTOR ; **COCULTURE** ; **NEURON** ; **ASTROCYTE** ; GLIAL **DIFFERENTIATION**  
 Identifiers--KeyWords Plus: GROWTH-FACTOR; BRAIN; ASTROCYTES; CULTURE  
 Research Fronts: 91-0307 003 (NERVE GROWTH-FACTOR RECEPTOR IMMUNOREACTIVITY; HIGH-AFFINITY NGF BINDING REQUIRES COEXPRESSION; CULTURED RAT EMBRYONIC CNS CELLS)

8/8/13        (Item 1 from file: 71)  
 01118536        1999082354

Neurons induce GFAP gene promoter of cultured astrocytes from transgenic mice

8/8/14 (Item 2 from file: 71)  
00153130 94158063

Astrocytic contribution to functioning synapse formation estimated by spontaneous neuronal intracellular Casp 2sup + oscillations  
PUBLICATION DATE: 19940000

8/8/15 (Item 1 from file: 144)  
DIALOG(R)File 144:(c) 2005 INIST/CNRS. All rts. reserv.

14063815 PASCAL No.: 99-0255336  
Neurons induce GFAP gene promoter of cultured astrocytes from transgenic mice  
1999

English Descriptors: Glial fibrillary acidic protein; Gene; Transcription promoter; **Neuron** ; Transgenic animal; **Astrocyte** ; In vitro; **Differentiation** ; Cell cell interaction; Mouse  
Broad Descriptors: Neuroglia; Rodentia; Mammalia; Vertebrata; Neuroglie; Rodentia; Mammalia; Vertebrata; Neuroglia; Rodentia; Mammalia; Vertebrata  
French Descriptors: Proteine gliofibrillaire; Gene; Promoteur transcription ; Neurone; Animal transgenique; **Astrocyte** ; In vitro; Differentiation; Interaction cellulaire; Souris

Classification Codes: 002A25C

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8/8/16 (Item 1 from file: 155)  
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10131438 PMID: 7681866  
Ion channels in spinal cord astrocytes in vitro. III. Modulation of channel expression by coculture with neurons and neuron -conditioned medium.  
Mar 1993

Tags: Female; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, Non-P.H.S.; Research Support, U.S. Gov't, P.H.S.

Descriptors: \*Astrocytes--physiology--PH; \*Ion Channels--physiology--PH; \*Nerve Growth Factors--physiology--PH; \*Neurons--physiology--PH; \*Spinal Cord--physiology--PH; \*Synaptic Transmission--physiology--PH; Animals; Cell **Differentiation** --physiology--PH; Cells, Cultured; Culture Media; Ganglia, Spinal--physiology--PH; Membrane Potentials--physiology--PH; Potassium Channels--physiology--PH; Rats; Rats, Sprague-Dawley; Rats, Wistar; Sodium Channels--physiology--PH

CAS Registry No.: 0 (Culture Media); 0 (Ion Channels); 0 (Nerve Growth Factors); 0 (Potassium Channels); 0 (Sodium Channels)  
? s ((neural (w) stem) or (neural (w) progenitor) and differentiat?) and (astrocyte and (co-culture or coculture))

2430772 NEURAL  
833112 STEM  
10078 NEURAL(W)STEM  
2430772 NEURAL

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18 PROGNITOR
1 NEURAL(W) PROGNITOR
1886991 DIFFERENTIAT?
61929 ASTROCYTE
1671 CO-CULTURE
34642 COCULTURE
S9 14 ((NEURAL (W) STEM) OR (NEURAL (W) PROGNITOR) AND
DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE OR
COCULTURE))

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? rd

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>>>Records from unsupported files will be retained in the RD set.

...completed examining records

S10 13 RD (unique items)

? s s10 and dopaminergic

13 S10

175298 DOPAMINERGIC

S11 1 S10 AND DOPAMINERGIC

? type s11/free

11/8/1 (Item 1 from file: 155)

DIALOG(R)File 155:(c) format only 2005 The Dialog Corp. All rts. reserv.

14803067 PMID: 12767487

Astrocyte -derived factors instruct differentiation of embryonic stem cells into neurons.

Jun 2003

Tags: Research Support, Non-U.S. Gov't

Descriptors: \*Astrocytes--metabolism--ME; \*Growth Substances--physiology  
--PH; \*Neurons--cytology--CY; \*Pluripotent Stem Cells--cytology--CY;  
Animals; Blotting, Western; Cell Differentiation--genetics--GE; Cell  
Differentiation--physiology--PH; Cells, Cultured; **Coculture** Techniques;  
Culture Media, Conditioned; Embryo; Fluorescent Antibody Technique; Gene  
Expression; Mice; Neurons--physiology--PH; Pluripotent Stem Cells  
--metabolism--ME; Primates; Reverse Transcriptase Polymerase Chain Reaction

CAS Registry No.: 0 (Culture Media, Conditioned); 0 (Growth  
Substances)

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Set	Items	Description
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S2	0	S1 NOT PY>1999
S3	0	S1 NOT PY>2000
S4	0	S1 AND NURR1
S5	0	(NEURON AND DIFFERENTIAT?3) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE))
S6	62	(NEURON AND DIFFERENTIAT?) AND (ASTROCYTE AND (CO-CULTURE - OR COCULTURE))
S7	25	S6 NOT PY>1999
S8	16	RD (unique items)
S9	14	((NEURAL (W) STEM) OR (NEURAL (W) PROGNITOR) AND DIFFERENT-IAT?) AND (ASTROCYTE AND (CO-CULTURE OR COCULTURE))
S10	13	RD (unique items)
S11	1	S10 AND DOPAMINERGIC

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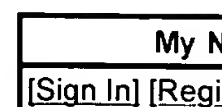
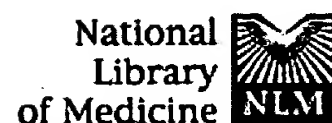
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\$0.00	5	Type(s)	in Format 6
\$0.00	5	Types	
\$5.85		Estimated cost	File5
\$1.40	0.226	DialUnits	File24
\$0.00	1	Type(s)	in Format 8
\$0.00	1	Types	
\$1.40		Estimated cost	File24
\$27.06	1.222	DialUnits	File34
\$0.00	9	Type(s)	in Format 8
\$0.00	9	Types	
\$27.06		Estimated cost	File34
\$0.43	0.104	DialUnits	File35
\$0.43		Estimated cost	File35
\$0.53	0.075	DialUnits	File40
\$0.53		Estimated cost	File40
\$1.31	0.286	DialUnits	File50
\$1.31		Estimated cost	File50
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\$2.62		Estimated cost	File65
\$3.70	0.422	DialUnits	File71
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\$4.53	TELNET			
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Search	Most Recent Queries	Time	Result
<a href="#">#51</a>	Search (mesencephalon or midbrain) and astrocyte and differentiation neuron	11:43:50	<a href="#">57</a>
<a href="#">#50</a>	Search mesencephalon or midbrain and astrocyte and differentiation neuron	11:42:12	<a href="#">44346</a>
<a href="#">#49</a>	Search "mesencephalon or midbrain" and astrocyte and differentiation neuron	11:42:04	<a href="#">50</a>
<a href="#">#48</a>	Search mesencephalon astrocyte and differentiation neuron	11:41:44	<a href="#">51</a>
<a href="#">#47</a>	Search mesencephalon astrocyte and differentiation	11:41:25	<a href="#">74</a>
<a href="#">#46</a>	Search mesencephalon astrocyte	11:41:15	<a href="#">408</a>
<a href="#">#45</a>	Search mesencephalon astrocyte	11:41:07	<a href="#">44340</a>
<a href="#">#43</a>	Search j neurosci[Jour] AND 16[volume] AND 2912 [page] AND 1996[pdat] AND liu[auth]	11:40:50	<a href="#">1</a>
<a href="#">#41</a>	Search " astrocyte" and neuron differentiation Field: All Fields, Limits: English, Review	11:19:18	<a href="#">22</a>
<a href="#">#29</a>	Search " astrocyte" and neuron differentiation Limits: English	11:18:45	<a href="#">275</a>
<a href="#">#34</a>	Search midbrain and astrocyte and neuron differentiation Limits: English	11:12:09	<a href="#">56</a>
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<a href="#">#31</a>	Search " midbrain astrocyte" and neuron differentiation Limits: English	11:10:47	<a href="#">56</a>
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<a href="#">#17</a>	Search astrocyte coculture and neural stem differentiation		10:37:59	<a href="#">20</a>
<a href="#">#13</a>	Search astrocyte coculture and neural stem differentiation Limits: Review		10:37:55	<a href="#">0</a>
<a href="#">#15</a>	Search astrocyte and neural stem differentiation Limits: Review		10:36:38	<a href="#">14</a>
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